

Plate 10. MARINE DIATOMS FROM THE BAY OF CAMPECHE

Source of Material

Material from the Bay of Campeche marine sediment (“Meerschlamm”), a strew mount by J.D. Möller, slide number HC 3226 held at the National Institute of Water and Atmospheric Research (NIWA), Greta Point, Wellington, New Zealand. Slide HC 1474 (“Campeche Bay”) prepared by M. Harrison, also held at NIWA.

Plate Ten:

- 14 *Lyrella spectabilis* (Gregory) Mann in Round, Crawford and Mann 1990. See Hustedt (1964, fig. 1534), as *Navicula spectabilis*.
- 15 *Navicula (Lyrella) hennedyi* fo. *granulata* Grunow in Schmidt et al. 1874 (No formal transfer to *Lyrella* can be found for this form). See Hustedt (1964, fig. 1518).
- 16 *Lyrella lyroides* (Hendey) Mann in Round, Crawford and Mann 1990. See Hustedt (1964, fig. 1547), given as *Navicula lyroides*.
- 17 *Lyrella hennedyi* (W. Smith) Stickle and Mann in Round, Crawford and Mann 1990. See Hustedt (1964, fig. 1516b), as *Navicula hennedyi*.
- 18 *Navicula schaarschmidtii* Pantocsek 1886. See Hustedt (1964, fig. 1477).
- 19 *Trachyneis schmidtiana* (Grunow 1876) Peragallo et Peragallo 1898. See Schmidt's Atlas (1874-1959, pl. 48, fig. 19).
- 20 *Glyphodesmis tumida* Boyer 1920. See Boyer (1920, p. 68, pl. 2, fig. 2).
- 21 *Plagiogramma validum* Greville 1859. See Schmidt's Atlas (1874-1959, pl. 210, fig. 1).
- 22 *Plagiogramma validum* var. *tumidulum* Grunow in A. Schmidt 1897. See Schmidt's Atlas (1874-1959, pl. 210, figs. 2-3).
- 23 *Plagiogramma wallichianum* Greville 1865. See Schmidt's Atlas (1874-1959, pl. 209, fig. 20).
- 24 *Diploneis lacrimans* (Schmidt in Schmidt et al.) Hustedt 1937. See Schmidt's Atlas (1874-1959, pl. 12, figs. 59-60).
- 25-26 *Diploneis gemmata* (Greville) Cleve 1894. See Schmidt's Atlas (1874-1959, pl. 8, fig. 38) and also a selected *D. gemmata* specimen on slide HC 1335.
- 27 *Diploneis serratula* (Grunow in Schmidt et al.) Hustedt 1937. See Schmidt's Atlas

(1874-1959, pl. 7, figs. 42-43).

- 28 *Diploneis nitescens* (Gregory) Cleve 1894. See Schmidt's Atlas (1874-1959, pl. 7, fig. 38).
- 29 *Parlibellus takoradiensis* Hendey 1958. See Hendey (1958, p. 67, pl. 1, fig. 8) and also Schmidt's Atlas (1874-1959, pl. 397, fig. 42) given as *Navicula weissflogii* Grunow, a specific epithet already occupied. NOTE: *N. weissflogii* was transferred to *Parlibellus* by Cox (1988), without taking into account this synonymy. A formal decision on authorship is lacking.
- 30 *Hemidiscus cuneiformis* Wallich 1860. See Schmidt's Atlas (1874-1959, pl. 436, fig. 1).
- 31 *Nitzschia praelonga* Cleve in Cleve and Grunow 1880. See Cleve (1881, pl. 4, fig. 48). In light microscope, this specimen shows some resemblance to *Bacillaria* sp.

Magnifications: figs. 14-29: x 1000; fig. 30: x 750, fig. 31: x 500

Scale Bar: scale bar is 30 microns for the figures shown at x1000; 40 microns at x750; 60 microns at x500

